

## **APALACHICOLA RIVER BASIN 2003 Water Year**

**02336504 PROCTOR CREEK AT SIMPSON STREET, AT ATLANTA, GA**

**LOCATION.**—Lat 33°45'48", long 84°25'42" referenced to North American Datum (NAD) of 1927, Fulton County, Hydrologic Unit Code 03130002, at culvert on Simpson Street, 0.40 miles upstream of Proctor Creek, 0.30 miles east of Chappell Road, and 0.70 miles north of Martin Luther King Jr. Drive.

**DRAINAGE AREA.**—2.40 mi<sup>2</sup>.

## **COOPERATION.—City of Atlanta.**

## PERIODIC WATER-QUALITY RECORDS

**PERIOD OF RECORD.**—March 20, 2003 to August 18, 2003.

**REMARKS.**—Laboratory chemical analyses with analyzing agency code 80020 are by the U.S. Geological Survey, National Water Quality Laboratory. Laboratory chemical analyses with analyzing code 81345 are by the U.S. Geological Survey, Panola Mountain Laboratory. Laboratory sediment analyses are by the U.S. Geological Survey, Sediment Partitioning Research Laboratory. Field determinations of Specific Conductance, pH, Water Temperature, Dissolved Oxygen, and Turbidity are by the U.S. Geological Survey.

WATER-QUALITY DATA - WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

# **APALACHICOLA RIVER BASIN 2003 Water Year**

**02336504 PROCTOR CREEK AT SIMPSON STREET, AT ATLANTA, GA—continued.**

Date	Nitrite						Ortho-			Total		E. coli,	Fecal	Total	
	Ammonia	Nitrate	nitrate	Nitrite	Ortho-	phos-	nitro-	Coli-	coli-	Coliform,	coliform,	coliform,	coliform,	coliform,	
	water, water, fltrd, mg/L (71846)	water, water, fltrd, mg/L (00608)	water, water, fltrd, mg/L (00618)	water, water, fltrd, mg/L (00631)	water, water, fltrd, mg/L (00613)	phate, water, fltrd, mg/L (00660)	phorus, water, fltrd, mg/L (00671)	wat flt by anal (00666)	Quantry MPN/ col/	M-FC MPN/ col/	Colert	Barium, water, fltrd, 100 mL (62854)	water, 100 mL (50468)	water, 100 mL (31625)	water, 100 mL (50569)
APR															
25...	.01	.005	.95	1.00d	.050	.224	.07	.01	1.67	17000	9360k	155000	43.2		
25...	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
25...	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
JUL															
17...	.02	.019	1.27	1.27d	<.100	--	<.038	.02	1.51	1100	1350	61300	47.7		
17...	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
17...	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
AUG															
14...	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Date	Iron, water, fltrd, ug/L (01046)	Stront- ium, water, fltrd, ug/L (01080)	Alum- inum, water, fltrd, ug/L (01106)	Mangan- ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Cadmium water, fltrd, ug/L (01025)	Chrom- ium, water, fltrd, ug/L (01030)	Lead, water, fltrd, ug/L (01040)	Nickel, water, fltrd, ug/L (01049)	Silver, water, fltrd, ug/L (01065)	suspdn sedimnt total, ug/g (30221)	Alumin- inum, water, fltrd, ug/g (29816)	Antimo- num, water, fltrd, ug/g (29816)		
APR															
25...	140	50	--x	<100	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	14	1.0		
25...	--	--	31	38.2	20	E.04	<.8	3.6	.52	1.34	<.20	--	--	--	--
JUL															
17...	<100	60	<50	<100	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	2	23.0	10	E.02n	<.8	.9	<.08	.85	<.20	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG															
14...	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Date	Arsenic suspdn sedimnt total, ug/g (29818)	Barium, suspdn sedimnt total, ug/g (29820)	Beryll- ium, suspdn sedimnt total, ug/g (29822)	Chrom- ium, suspdn sedimnt total, ug/g (29826)	Cadmium suspdn sedimnt total, ug/g (29826)	Cobalt, suspdn sedimnt total, ug/g (29826)	Copper, suspdn sedimnt total, ug/g (29829)	Iron, suspdn sedimnt total, ug/g (35031)	Lead, suspdn sedimnt total, ug/g (29832)	Lithium suspdn sedimnt total, ug/g (29832)	Mangan- ese, suspdn sedimnt total, ug/g (29836)	Mercury suspdn sedimnt total, ug/g (35050)	Molyb- denum, suspdn sedimnt total, ug/g (29841)		
APR															
25...	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	6.3	450	4	1.4	130	24	64	4.6	120	76	1500	.31	8		
25...	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL															
17...	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG															
14...	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Date	Nickel, suspdn sedimnt total, ug/g (29845)	Selen- ium, suspdn sedimnt total, ug/g (29847)	Silver, suspdn sedimnt total, ug/g (29850)	Stront- ium, suspdn sedimnt total, ug/g (35040)	Thall- ium, suspdn sedimnt total, ug/g (49955)	Titan- ium, suspdn sedimnt total, percent (30317)	Vanad- ium, suspdn sedimnt total, ug/g (29853)	Zinc, suspdn sedimnt total, ug/g (29855)	Uranium conc, suspdn sedimnt total, ug/g (35046)	Lithium conc, suspdn sedimnt total, ug/g (50279)	Manganese, conc, suspdn sedimnt total, ug/g (35002)	Uranium conc, suspdn sedimnt total, ug/g (34792)	Alumin- inum, suspdn sedimnt total, ug/g (34797)	Mercury conc, suspdn sedimnt total, ug/g (34797)	
APR															
25...	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	68	1	M	53	<50	.370	120	320	<50	20	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL															
17...	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	<50	9.5	M	
AUG															
14...	--	--	--	--	--	--	--	--	--	--	--	<50	9.7	M	

## **APALACHICOLA RIVER BASIN 2003 Water Year**

**02336504 PROCTOR CREEK AT SIMPSON STREET, AT ATLANTA, GA—continued.**

	Arsenic	Barium,	Beryll-	Cadmium	Chrom-	Cobalt,	Copper,	Iron,	Lead,	Lithium	Mangan-	Mercury	Molyb-
Date	bed sed	bed sed	ium,	bed sed	ium,	bed sed	ese,	bed sed	denum,				
<62.5um	<62.5um	<62.5um	bed sed	<62.5um	bed sed	<62.5um	<62.5um	<62.5um	<62.5um	<62.5um	bed sed	<62.5um	bed sed
dry svd	dry svd	dry svd	<62.5um	dry svd	<62.5um	dry svd	<62.5um	dry svd	<62.5um				
	lab,	lab,	dry svd	lab,	dry svd	lab,	lab,	lab,	lab,	lab,	dry svd	lab,	dry svd
	total,	total,	lab,tot	total,	lab,tot	total,	total,	total,	total,	total,	lab,tot	total,	lab,tot
	ug/g												
(34802)	(34807)	(34812)	(34827)	(34842)	(34847)	(34852)	(34882)	(34892)	(34897)	(34907)	(34912)	(34917)	

APR														
25...	--	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL														
17...	--	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	M	560	2	M	49	18	44	4.2	71	31	1000	.22	<1	
AUG														
14...	M	640	2	M	47	16	45	3.8	93	38	800	.42	1	

APR													
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	<.5	<.5	<.5	<.5	M	<1
JUL													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	<.5	<.5	<.5	<.5	<2	<1
17...	15	.3	<.5	94	.490	130	120	--	--	--	--	--	--
AUG													
14...	16	.5	<.5	89	.460	120	130	--	--	--	--	--	--

Date	beta-	Stigmar-	Bisphe-	Broma-	Caf-	Car-	Carba-	Chlor-	Choles-	Cot-	Diazin-	ethoxy-		
		stanol,	nol A,	cil,	feine,	Camphor	water,	zole,	pyrifos	terol,	inine,	DEET,	non,	
		water,	water,	water,	water,	water,	water,	filtrd	water,	water,	water,	water,	phenol,	
		filtrd,	filtrd,	filtrd,	filtrd,	filtrd,	0.7u GF	filtrd,	filtrd,	filtrd,	filtrd,	filtrd,	water,	
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	nonyl-	
		(62086)	(62069)	(04029)	(50305)	(62070)	(82860)	(62071)	(38933)	(62072)	(62005)	(62082)	(39572)	(62083)

## **APALACHICOLA RIVER BASIN 2003 Water Year**

**02336504 PROCTOR CREEK AT SIMPSON STREET, AT ATLANTA, GA—continued.**

#### Remark codes used in this report:

< -- Less than

E -- Estimated value

M -- Presence verified, not quantified

Value qualifier codes used in this report:

d -- Diluted sa

k -- Counts outside acceptable

n -- Below the NDV